

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A dynamic bearing device comprising:

a fixed-side member;

a rotational-side member;

a thrust bearing surface formed on ~~any~~ one of the fixed-side member and the rotational-side member, the thrust bearing surface including a dynamic pressure generating groove area having a plurality of dynamic pressure generating grooves being arranged thereon, a depth of each groove in the plurality of dynamic pressure generating grooves being constant;

a thrust receiving surface provided on the other one of the fixed-side member and the rotational-side member so as to be opposed to the thrust bearing surface in an axial direction; and

a thrust bearing gap formed between the thrust bearing surface and the thrust receiving surface, the thrust bearing gap ~~being~~ for generating a pressure by a dynamic pressure effect of a fluid during rotation of the rotational-side member so as to support a rotary member in an axial direction in a non-contact manner by the pressure, wherein

a reduced portion having an axial width decreasing in a radially outward direction is ~~provided-disposed~~ in the thrust bearing gap, the reduced portion being formed by an inclined plane disposed at the thrust bearing surface;, the plurality of dynamic pressure generating grooves is disposed on the inclined plane ~~are provided so as to face the reduced portion;~~, and a pumping power of the dynamic pressure generating grooves is maximized in a radially outermost portion of the reduced portion, and the thrust bearing gap has a uniform portion with a constant width formed on an inner diameter side of the reduced portion.

Claim 2 (Cancelled)

Claim 3 (Currently Amended) A dynamic bearing device comprising:

a shaft member having a shaft portion and a flange portion, the flange portion having an end face; and

a thrust bearing portion having an end face and for generating a pressure by a dynamic pressure effect of a fluid in a thrust bearing gap between ~~an~~ the end face of the flange portion and ~~a~~ the end face of the thrust bearing portion, the end face of the thrust bearing portion being

opposed ~~thereto~~ to the end face of the flange portion so as to support the shaft member in an axial direction in a non-contact manner by the pressure, wherein

the end face of the flange portion facing the thrust bearing gap is formed of a resin and at least ~~apart~~ a part of the end face of the flange portion facing the thrust bearing gap is formed as an inclined plane, the inclined plane being inclined so as to approach coming closer to an the opposed end face of the thrust bearing portion in a radially outward direction, and

wherein the shaft member includes an outer shaft portion forming an outer peripheral face of the shaft portion and an inner shaft portion disposed on an inner periphery of the outer shaft portion,

the outer shaft portion is formed of a metal, and

the inner shaft portion and the flange portion are integrally formed of a resin, an axial thickness of the resin of the inner shaft portion being thicker than the flange portion on an outer diameter side of the flange portion.

Claim 4 (Cancelled)

Claim 5 (Cancelled)

Claim 6 (Currently Amended) The dynamic bearing device according to claim 21, wherein a ratio is set such that $h/r \leq 0.01$ where a length of the inclined plane in a radial direction is r and a height of the inclined plane is h.

Claim 7 (Original) The dynamic bearing device according to claim 3, wherein a ratio is set such that $h/r \leq 0.01$ where a length of the inclined plane in a radial direction is r and a height of the inclined plane is h.

Claim 8 (Previously Presented) A motor having: the dynamic bearing device according to claim 1, a rotor magnet attached to the rotational-side member; and a stator coil attached to the fixed-side member.

Claim 9 (Cancelled)

Claim 10 (Previously Presented) A motor having: the dynamic bearing device according to claim 3, a rotor magnet attached to the rotational-side member; and a stator coil attached to the fixed-side member.

Claim 11 (Cancelled)

Claim 12 (Cancelled)

Claim 13 (Previously Presented) A motor having: the dynamic bearing device according to claim 6, a rotor magnet attached to the rotational-side member; and a stator coil attached to the fixed-side member.

Claim 14 (Previously Presented) A motor having: the dynamic bearing device according to claim 7, a rotor magnet attached to the rotational-side member; and a stator coil attached to the fixed-side member.